

ABSTRACT

The invention relates to a method and device for determining the gain spectrum of a Raman amplifier having an optical amplifier, which is connected in incoming circuit thereto, in a section of a WDM transmission system. A number of spectra are recorded at the output of the Raman amplifier during which the optical amplifier or the Raman amplifier is switched on and off and a high amplified spontaneous emission is generated at the input of the Raman amplifier. Afterwards, the gain spectrum is determined on the basis of the recorded spectra.